						1									=			_					r		
		Unit of			Contracted or	Associated with the timber harvest,	Included in the appraisal (Yes or No) Activity Timing () THESE YEARS 2020	percentage of a SHOULD REF	activity co LECT THI	mpleted in eac E IMPLEMENT	ch year) TATION PEI	RIOD OF	YOUR PROJECT		Number of u 2020	nits for use in F 2021	2022	er year (Row 2023	3 indicates the 2024	"Quicksilver" 2025	year) 2026	2027 2028	2029	Total Activity Completion Percent	Years of Activit Implementatio
Planned Activity 1. Cost data for project activities (Items listed in blue can be pulled from	Unit Cost	Measure	Quantity	Total Cost	Force	required design	or No) 2020	2021 20	022	2023 2	2024	2025	2026 2027	2028 2029		0 1	2	3	4	5	6	7 1	9	Completion Percent	imprementation
Cost data for project activities (items listed in blue can be pulled from A. LOGGING ACTIVITIES	n the Sale Feasibilit	ty spreadsnee	et. See Main Mi	enu)																					
Snowplowing	\$2.30	CCF		\$121,435.55		Yes	Yes		50%	50%							26,399.03	26,399.03						100%	
Stump shoveling BMP maintenance on haul roads	\$0.00 \$5.50		52,798.0	\$0.00		Yes	Yes	17%	17%	17%	17%	17%	17%		-	9 700 69	8,799.68	9 700 69	9 700 69	8,799.68	8,799.68		-	100%	
New temp road construction/obliteration	\$0.70		52,798.0	\$290,389.36		Yes	Yes	17%	17%	17%	17%	17%	17%				8,799.68							100%	
Piling of activity fuel - hand	0.00		0.0	\$0.00				1175		12.75					-	-	-	-	-		-		-		
Piling of activity fuel - excavator	2158.40		131.0	\$282,750.00			Yes			20%	20%	30%	30%				-	26.20	26.20	39.30	39.30		-	100%	
Landing cleanup	60		40.0		Contract	Yes	Yes		20%	20%	20%	20%	20%		-	-	8.00	8.00	8.00	8.00	8.00		-	100%	
System road cleanup ROW Chipping of activity fuels	\$125 \$350	Miles Acres		\$0.00 \$0.00					-			_					-	-					-		
Thinning of hazardous fuels (brush disposal)	160.00		507.0	\$81,120.00		Yes	Yes		-	20%	20%	30%	30%			-	-	101.40	101.40	152.10	152.10		-	100%	
Felling of damaged residuals	25		307.01	\$0.00	D	100	103			20%	2070	5070	50,0		-		-	-	-	-	102.10		-	100%	
Activity fuel rearrangement - lop and scatter	75			\$0.00)																				
Erosion control	\$0.22					Yes	Yes	17%	17%	17%	17%	17%	17%		-	8,799.68	8,799.68	8,799.68	8,799.68	8,799.68	8,799.68		-	100%	
Equipment washing	\$0.00	CCF	52,798.07	\$0.00)										-		-	-	-	-			-		
Other contractual requirements (other than those listed above) should be listed as separate items under road work or restoration				8																					
noted as departed items and a read work or readmand.		a		· X //////	74	1										0 1	1	- 1	1	1	1	0 (0		6
B. ADDITIONAL ROADWORK NOT INCLUDED ABOVE (INCLUDE SPECIF	IED ROAD CONSTR	RUCTION/REC	CONSTRUCTIO	N HERE)		To.	1																		
Road construction/reconstruction - haul routes	\$19.27	CCF	52,798.0	\$1,017,497.92		Yes	Yes	33%	33%	34%					-	17,423.36	17,423.36	17,951.34	-		-		-	100%	
Road maintenance on non-haul roads Road construction/reconstruction - non haul routes		†	+	\$0.00		1			-+			-+		 		-	-		- :						
Road decommissioning - nonhaul routes	\$10,329.00	Miles	27.0			No	No					-+	1009		-			-	-	-		27.00		100%	
Culverts installation, upgrades or removal - non haul routes	\$105,000.00	Lump Sum	1.0	\$105,000.00	Contract	No	No						1009									1.00		100%	
Culverts installation, upgrades or removal - haul routes (include as a		1	1	\$0.00	2							П		1 1											
separate line item only if NOT included in Row 24) Road Storage (gates, kelly humps, etc) - Haul routes		Miles	+	\$0.00		+			-+			-+			-	-	-				-				
Road Storage (gates, kelly humps, etc) - Haul routes Road Storage (gates, kelly humps, etc) - nonhaul routes	\$9,275.52		39.5	\$366,383.04		No	No		-+		-		1009											100%	
Bridge installation, upgrades or replacement	45,21,0,02			\$0.00	0								1007												
Smoothing road cut transitions for ski trails				\$0.00		1						\neg			-			-	_						
Ski lift installation	<u> </u>			\$0.00		1								1	-	-	-	-	-	-	-				
Additional Items Additional Items	H	!	+	\$0.00 \$0.00	1	1						-+		1			-		-		-				
Additional Items	-		1	\$0.00		1						-		1 1											
Additional Items				\$0.00	0										-		-	-	-	-	-		-		
Additional Items				\$0.00	0										-	-	-		-		-		-		
Additional Items				\$0.00	0										-		-			-			-		
C. RESTORATION ACTIVITIES																									
Weed spraying - connected with harvest	\$0.04	CCF	52,798.0	\$2,111.92	Contract	Yes	Yes	50%					50%			26,399.03					26,399.03			100%	
Fireline/fuel break construction - Hand - brush disposal	6600.00	Miles	9.2	\$60,720.00	Contract		Yes					50%	50%			-			-	4.60	4.60		-	100%	
Fireline/fuel break construction - Mechanical - brush disposal	#DIV/0!	Miles	0.0	\$0.00	0										-		-		-				-		
Fuel inventory - brush disposal	9.00	Acres	1,285.0	\$11,565.00	Force		Yes						1009		-	-	-		-		-	1,285.00	-	100%	
Fuels burn - broadcast burn - brush disposal Jackpot burning - brush disposal	300.00 #DIV/0!	Acres	77.0	\$23,100.00	Force	Yes	Yes		_				1009		-	-	-		-			77.00	-	100%	
Fuels underbum - brush disposal	#DIV/0!	Acres Acres	0.0	\$0.00					-			-			-	-	- :	-	- :	-	- :		-		
Burning activity fuel piles	50.00	Acres	583.0	\$29.150.00	Force	Yes	Yes						339	33% 34	% -		- :					192.39 192.39	198.22	100%	
Burnng fuel piles - landings	90.00	Each	50.00	\$4,500.00)										-		-						-		
Air quality monitoring	3.00		154.0	\$462.00		Yes	Yes						339	33% 34	% -		-	-	-	-		50.82 50.82	52.36	100%	
Building maintenance		Acres		\$0.00											-		-	-	-	-	-		-		
KV site prep burning KV Burning fuel piles	300.00 50.00		77.00 565.50	\$23,100.00		Yes	Yes Yes		-			_	509				-	-				38.50 38.50 186.62 186.62	192.27	100% 100%	
Regeneration Planting	584.00		1,170.0	\$28,275.00		Yes Yes	Yes		-			-	337			-	- :	-	- :	-	- :	386.10 386.10		100%	
Regen exams	13.00		1,170.00			Yes	Yes						- 007	10% 90			-		-	-			1,053.00	100%	
Regeneration Animal damage control	94.00		500.0	\$47,000.00		Yes	Yes							50% 50			-	-	-	-		- 250.00		100%	
Regeneration Chemical site prep		Acres		\$0.00											-	-	-		-		-		-		
Weed spraying - not connecting to harvest Weed monitoring				\$0.00 \$0.00											-		-	-	-	-	-		-		
Precommercial Thinning				\$0.00					-		-	-+			-	_	-	-	-	-	-		-		
Piling and burning of non-activity fuels				\$0.00					_			_				-	1		-		1				
Papering slash piles				\$0.00											-		-	-	-	-			-		
Fireline/fuel break construction - Mechanical - not connected to harvest				\$0.00		1						\neg			-		_	-	_						
Fireline/fuel break construction - Manual - not connected to harvest		ļ		\$0.00)									-	-		-	-	· ·	-			-		
Lop and scatter natural fuels Hazard tree felling and removal		 	+	\$0.00 \$0.00		+			-+			-+				-	-	-	-	-	-				
Fish harriers		 	+	\$0.00		+	 	_				-+	_								-				
Shrub and forb planting in temp roads				\$0.00											-										
Non-commercial thinning (slashing)				\$0.00	0										-			_							
Prescribed fire in non-commercial areas				\$0.00)									$\perp \Box \Box$											
Spot slashing for burn only treatments			00	\$0.00	0	ļ.,					500/	5001		1	-	-	-	-		404	-			100%	
Whitebark Pine treatment Additional Items	\$250	Acres	203.0	\$50,750.00	r orce	NO	NO .		-+		50%	50%				-	-	-	101.50	101.50	-			100%	
Additional Items		†	+	\$0.00	Ď	1			-+			-+		 		-									
Additional Items				\$0.00	0										-										
Additional Items				\$0.00)																				
Additional Items	l .			\$0.00) I	1			L_					\bot				-		-					Non-Timb
D. Other															L	1.00	1.00	1.00	1.00	1.00	1.00	1.00 1.00	1.00		9
Sale Preparation	1			1								- 1													
		1																							
	\$14.00	CCF	52,798.07	\$739,172.92	2 Force	Yes	No 50%	50%							26,399.03	26,399.03								100%	
Sale Administration												П		1 1											
	\$8.00	CCF	52,798.0	\$422,384.52	Force	Ver	No	17%	17%	17%	17%	17%	17%	1 1		8,799.68	8.799.68	8.799.68	8.799.68	8,799,68	8.799.68			100%	
	\$8.00	LCF	52,798.0	\$422,364.52	e rufoe	1105	Inc I	1/76	17%	1/%	1776	1/70	17%	11		5,799.68	8,799.68	5,799.68	8,799.68	83.881,8	5,799.68			100%	
	Predicted High	Unit	Timber	Total											2020	2021	2022	2023	2024	2025	2026	2027 2028	2029		
2. Revenue Information	Bid or Base Rate	of measure		Revenue			2020	2021 20	022	2023 2	2024	2025	2026 2027	2028 2029		0 1	2	3	4		6	7 8	9		
Sawtimber	\$86	CCF	52,798.0					501	15%	15%	20%	20%	25%	1 1		2,639.90	7,919.71	7,919.71	10,559.61	10,559.61	13,199.52			100%	
Non-saw material	\$86	CCF	52,798.0	\$4,528,244.37	4			5%	15%	15%	20%	20%	25%		-	2,639.90	7,919.71	7,919.71	10,559.61	10,559.61	13,199.52		-	100%	
reconstruction	1	1																							
	1	1												1 1											
	\$0.25	CCF	0.0	\$0.00				- 1	1	1			1	1 1	-			-	-	-			-		

3	Proportion	processed	by wood	product	secto

3. Proportion Sawmills Veneer Log Homes Post & Poles Pulp

4. Other
Acres harvested
Base rate from sale feasibility spreadsheet
Stumpage rate from sale feasibility spreadsheet
Predicted high bid from sale feasibility spreadsheet



	AL 1	N. 2	At. 2	M.4
Planned Activities	THE CHI	Total Cost	THE CHI	THECH
LIOSONG ACTIVITIES				
	20.00	\$1.00	20.00	
	20.00	\$1.00	\$0.00	ĺ
	\$0.00	\$3.00	\$0.00	
	\$0.00	\$1.00	\$0.00	_
	80.00	91.00	\$0.00	_
	\$0.00	\$1.00	\$0.00	_
	50.00	20.00	20.00	
	\$0.00	\$1.00	\$0.00	
	\$0.00	\$1.00	30.00	
	80.00	\$3.00	\$0.00	
	80.00	81.00	\$0.00	_
a controlle position and acceptant acceptant	\$0.00	\$1.00	30.00	
E AND LONG TO SHARE THE SH	20.00	\$0.00	20.00	
	50.00	91.00	\$0.00	ĺ
	\$0.00	\$1.00	30.00	
Road decommissioning - nonhaul routes	\$275,883.00	\$3.00	\$0.00	
Converts installation, upgrades or removal - non haut routes	\$105,000.00	\$3.00	\$0.00	-
	\$0.00	\$1.00	\$0.00	_
Road Storage (game, kelly humps, etc) - nonhaul routes	\$0.00 \$300 383.00	\$1.00	20.00	
	B0.00	91.00	\$0.00	
	80.00	\$1.00	\$0.00	
		81.00	90.00	<u> </u>
	\$0.00			
	80.00			
	\$0.00 an			
	2020			
	80.00			
		\$1.00		
		\$1.00		
		\$1.00		
		\$1.00		
		33.00		
			\$0.00	
			\$0.00	
			30.00	
			\$0.00	
			\$0.00	
			80.00	
				_
C. RESTORATION ACTIVITIES				
	80.00	\$1.00	\$0.00	
		81.00	90.00	_
	\$0.00	\$1.00	30.00	_
	\$0.00	\$1.00	\$0.00	_
	50.30	\$1.00	\$0.00	
	50.00	\$1.00	\$0.00	
	\$0.00	\$1.00	\$0.00	
·	50.00	81.00	\$1.00	
	80.00	\$3.00	\$0.00	ш
	-	\$1.00	\$1.00	<u> </u>
	80.00	\$3.00	\$0.00	-
	50.00	\$1.00	\$0.00	E'
-	\$0.00	31.00	20.00	
		81.00	***	
	80.00	\$3.00	\$0.00	ш
		90.00	\$0.00	H
	80.00	\$3.00	\$0.00	-
	\$0.00 gc-sec	\$1.00 \$1.00	30.00 30.00	
	2020	\$1.00	20.00	
		81.00	****	<u> </u>
	80.00	\$3.00	\$0.00	ш
	80.00	80.00	\$5.00	H
	\$0.00	\$1.00	\$0.00	
	\$0.00 \$0.00	20.00	\$0.00 \$0.00	
		N. 00	****	
-	80.00	\$1.00	\$0.00	
	\$0.00	\$1.00	\$0.00	<u> </u>
VINENAMA P INE TREETIESE.	******	90.00	\$0.00	H
	\$0.00	\$1.00	\$0.00	H
	50.00	91.00	\$0.00	
	50.00 50.00	\$1.00 \$1.00	30.00 50.00	
_				
	80.00	33.00		
D. Other	10.00	\$1.00	\$0.00	
O. Other Disparation Commission C	\$79,172.02	\$1.00	20.00	

Present Net Value

Base Year Result Year

	Deflator
2017	107.794
2017	107.794

	Alt. 1	Alt. 2	Alt. 3	Alt. 4
Timber Sale and Required Design Criteria				
PV Costs	\$1,093,991	\$0	\$0	\$0
PV Revenue	\$3,714,182	\$0	\$0	\$0
PNV	\$2,620,191	\$0	\$0	\$0
All Project Activities				
PV Costs	\$1,706,679	\$0	\$0	\$0
PV Revenue	\$3,714,182	\$0	\$0	\$0
PNV	\$2,007,504	\$0	\$0	\$0

269556 429988 202974 702974 857724 857724 202974 750366 0 0 269556 423065 659868 65823 828667 297278 556361 570581 0 0

-369586 -213731 538753 518031 662511 637030 808627 -570141 0 0 2007504

PV all Costs

This worksheet calculates the employment and labor income effects attributable to timber harvest, vegetatic management activities, and other restoration activities. Enter data in yellow shaded cells for each alternativ

Cost data for project activities - ONLY NCLUDE COST OF ACTIVITES THAT ARE CONTRACTED OUT, DO NOT INCLUDE ACTIVITES DONE BY FORCE ACCOUNT,
 Re-link Cost Data to All Workshaees

A. Forestry and Logging Activities
THESE ACTIVITIES ARE INCLUDED IN THE RESPONSE COEFFICIENTS FOR
TIMBER PRODUCTS SO ARE NOT ACCOUNTED FOR SEPERATELY IN THE
IMPACT CALCULATION. HOWEVER, YOU MAY ENTER INFORMATION IN THE
GREEN CELLS IF IT HELPS YOU TRACK YOUR COSTS MORE EFFICIENTLY.

	Alt. 1	Alt. 2	Alt. 3	At. 4
Snowplowing	\$121,438			
Stump showling				(
BMP maintenance on haul roads	\$290,389			
New temp road construction/obliteration	\$36,996		{	
Pling of activity fuel - hand				
Pling of activity fuel - excevator	\$282,750	r		
Landing cleanup	\$2,400			
System road cleanup ROW			!	
Chipping of activity fuels			{	
Thinning of hazardous fuels (brush disposal)	\$81,120			
Felling of damaged residuals		[}	[
Activity fuel rearrangement - lop and scatter			!	
Fresion control	\$11,616		!	
Equipment washing		L	{	
Other contractual requirements (other than those listed above) should be	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Other contractual requirements (other than those listed above) should be listed as separate items under road work or restoration				

/////

Additional Items	
Additional Items	
Alt. 3 Additional Items	
Additional Items	
Additional Items	
Additional Items	

Additional Items	1	
Additional Items	1	
Alt. 4 Additional Items		•
Additional Items		
Artificinal Items		

C. RESTORATION ACTIVITIES	Alt. 1	Alt. 2	Alt. 3	Alt. 4
Weed spraying - connected with hervest	\$2,112			
Firefine/fuel break construction - Hand - brush disposal				
Firefine/fuel break construction - Mechanical - brush disposal				
Fuel inventory - brush disposal			f	T
Fuels burn - broadcast burn - brush disposal		[T
Jackpot burning - brush disposal				1
Fuels underburn - brush disposal			!	Ť
Burning activity fuel piles			[!
Burring fuel piles - landings				T
Air quality monitoring			[†
Building maintenance		[}	T
KV site prep burning				1
KV Burning fuel piles			!	Ť
Regeneration Planting	\$683,280	i	1	Ť
Regen exams				1
Regeneration Animal damage control	\$47,000			T
Regeneration Chemical site prep		r	!	T
Weed spraying - not connecting to harvest				1
Weed monitoring			!	
Precommercial Thinning		i		Ť
Pling and burning of non-activity fuels				1
Papering slash piles				
Firefine/fuel break construction - Mechanical - not connected to hervest		r	!	T
Firefine/fuel break construction - Manual - not connected to harvest				1
Loo and scatter natural fuels			!	†
Hazard tree felling and removal			{	†
Fish berriers				
Shrub and forb planting in temp roads		[]	T
Non-commercial thinning (slashing)				
Prescribed fire in non-commercial areas		L		

Spot slashing for burn only treatments			
Alt. 1 Additional Items			
Whitebark Pine treatment			
Artistional beros.			
Artistional beros.			
Additional Items			
Additional Herns			
Additional Items			
Alt. 2 Additional Items			
Additional terms			
Additional beros.			
Additional Items			
Additional Items			
Additional terms			
Additional Items			
Alt. 3 Additional Items			
Additional flams		 	
Additional Items			
Additional Items		 	
Additional flams			
Additional Items		 	
Additional Items			
Alt. 4 Additions			
	itional Items		
	tional Items	 	
Add	itional Items	 -	

	Additional Items
Timber harvest information Volume related data from timber harvest Volume Harvested (CCF)	Alt. 1 Alt. 2 Alt. 3 Alt. 4
B. Proportion processed by wood product sector	100.0% 0.0% 0.0% 0.0%
Veneer	0.0% 0.0% 0.0% 0.0%

Pulp Pulp	0.0%	0.0%	0.0%	
3. Number of years for activity implementation				
Non-timber Activities	9			

Homestead

	Alternatives									
_	Al	t. 1	Al	t. 2	Alt. 3		Alt. 4		No Action	
Non-timber Activities										
Part and Full Time Jobs Contributed	Total	Annual	Total	Annual	Total	Annual	Total	Annual	Total	
Direct	21	2	0	0	0	0	0	0	0	
Indirect and Induced	8	1	0	0	0	0	0	0	0	
Total	30	3	0	0	0	0	0	0	0	
Labor Income Contributed (Thousands of	2018\$)									
Direct	\$886	\$98	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Indirect and Induced	\$280	\$31	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Total	\$1,166	\$130	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

			Timber	Harvest					
Part and Full Time Jobs Contributed	Total	Annual	Total	Annual	Total	Annual	Total	Annual	Total
Direct	137	23	0	0	0	0	0	0	0
Indirect and Induced	190	32	0	0	0	0	0	0	0
Total	327	55	0	0	0	0	0	0	0
Labor Income Contributed (Thousands o	f 2018\$)			•				•	
Direct	\$6,592	\$1,099	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Indirect and Induced	\$5,931	\$989	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$12,523	\$2,087	\$0	\$0	\$0	\$0	\$0	\$0	\$0

All Activities									
Part and Full Time Jobs Contributed	Total	Annual	Total	Annual	Total	Annual	Total	Annual	Total
Direct	159	25	0	0	0	0	0	0	0
Indirect and Induced	198	33	0	0	0	0	0	0	0
Total	357	58	0	0	0	0	0	0	0
Labor Income Contributed (Thousands o	f 2018\$)								
Direct	\$7,478	\$1,197	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Indirect and Induced	\$6,211	\$1,020	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$13,689	\$2,217	\$0	\$0	\$0	\$0	\$0	\$0	\$0